

PATENT  
Attorney Docket No.: SHIM1120

**In re Application of:  
Aizawa et al**

Application No.: 09/830,019

**Filed: April 19, 2001**

**For: VACCINE PREPARATIONS  
CONTAINING ATTENUATED  
TOXIN**

## **POWER OF ATTORNEY BY INVENTOR**

As a below-named inventor of the above-identified application ("Application"):

I hereby appoint the following attorneys of the assignee to prosecute the Application and to transact all business in the United States Patent and Trademark Office connected therewith:

JAMES P. CLEARY  
TIM ELLIS  
CHARLES D. GAVRILOVICH, Jr.  
LISA A. HAILE  
RICHARD J. IMBRA  
SHEILA R. KIRSCHENBAUM  
JUNE M. LEARN  
TIMOTHY W. LOHSE  
TERRANCE A. MEADOR  
STEVEN R. SPRINKLE  
MARK M. TAKAHASHI  
BARRY N. YOUNG

Registration No. 45,843  
 Registration No. 41,734  
 Registration No. 41,031  
 Registration No. 38,347  
 Registration No. 37,643  
 Registration No. 44,835  
 Registration No. 31,238  
 Registration No. 35,255  
 Registration No. 30,298  
 Registration No. 40,825  
 Registration No. 38,631  
 Registration No. 27,744

In re Application of:  
Aizawa et al  
Application No.: 09/830,019  
Filed: April 19, 2001  
Page 2

PATENT  
Attorney Docket No.: SHIM1120

I hereby authorize and request insertion of the application number of the  
Application when officially known.

Direct all telephone calls to:

LISA A. HAILE, PH.D.  
Telephone: (858) 677-1456

Address all correspondence to:

LISA A. HAILE, PH.D.  
GRAY CARY WARE & FREIDENRICH LLP  
4365 Executive Drive, Suite 1600  
San Diego, CA 92121

Name: CHIKARA AIZAWA

Signature: *C. Aizawa*

Date: *Aug. 24, 2001*

Name: YUJIRO SUZUKI

Signature: *Yujiro Suzuki*

Date: *Aug. 24, 2001*

Name: TAKA-AKISATO

Signature: *Takaaki Sato*

Date: *Aug. 24, 2001*

In re Application of:  
Aizawa et al  
Application No.: 09/830,019  
Filed: April 19, 2001  
Page 3

PATENT  
Attorney Docket No.: SHIM1120

Name: KOJI WATANABE  
Signature: Koji Watanabe  
Date: Aug. 27, 2001

Name: NOBUAKI HATTORI  
Signature: Nobuaki Hattori  
Date: Aug. 27, 2001

Name: YOSHITAKE TANAKA  
Signature: Yoshitake Tanaka  
Date: Aug 23, 2001

Name: SATOSHI ŌMURA  
Signature: Satoshi Omura  
Date: Aug 16, 2001

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Aizawa et al                      Art Unit: Unknown  
Serial No.: 09/830,019                      Examiner: Unknown  
Filed: April 19, 2001  
Title: VACCINE PREPARATIONS CONTAINING ATTENUATED TOXIN

Assistant Commissioner for Patents  
Washington, DC 20231

**POWER OF ATTORNEY BY ASSIGNEE**

As a below-named assignee of the above-identified application ("Application"):

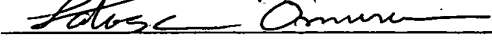
I hereby appoint the following attorneys of the assignee to prosecute the Application and to transact all business in the United States Patent and Trademark Office connected therewith:

Customer Number	28,213
-----------------	--------

I hereby authorize and request insertion of the application number of the Application when officially known.

Please direct all telephone calls to LISA A. HAILE, Ph.D. at (858) 677-1456 and address all correspondence to LISA A. HAILE, Ph.D., GRAY CARY WARE & FREIDENRICH, 4365 Executive Drive, Suite 1600, San Diego, California 92121.

**THE KITASATO INSTITUTE**  
A Japanese Corporation

By:   
Name: Satoshi Omura  
Title: President  
Date: Aug. 16, 2001